

SECRET**PRIORITY**

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PRIORITY []

OXCART

SUBJ: EVALUATION OF BLACK SIELD MISSION BX6718.

1. CAMERA SERIAL G, TYPE I WAS USED ON MISSION BX6718. THE EXPOSURE WAS GOOD. PROCESSING WAS ACCOMPLISHED AT [] THERE ARE A TOTAL OF 304 FRAMES IN THE MISSION.

2. BOTH CAMERAS OPERATED SATISFACTORILY THROUGHOUT THE MISSION. DURING STRAIGHT AND LEVEL FLIGHT, ESTIMATED GROUND RESOLUTION OF [] (ONE BAR AND ONE SPACE) WERE OBTAINED IN THE VERTICAL PORTIONS OF THE PHOTOGRAPHY. METERING WAS SATISFACTORY WITH OVERLAP OCCURRING ONLY AT START-UP AND SHUT DOWN. MINOR MINUS DENSITY STREAKS, ASSOCIATED WITH FOREIGN MATTER IN THE SLIT APERTURE, ARE PRESENT ON ALL FRAMES.

3. THERE WAS NO CAMERA OPERATION DURING ASCENDING OR DESCENDING PORTIONS OF THE MISSION. ALTITUDES RANGE FROM [] FEET. (UNCORRECTED BAROMETRIC READINGS)

4. EXPOSURE WAS 1/190 FOR THE ENTIRE MISSION. A LONGER EXPOSURE WOULD PROVIDE MORE INFORMATION IN CLOUD SHADOW AREAS BUT WOULD CAUSE TOO HEAVY A DENSITY THROUGHOUT THE BALANCE OF THE IMAGERY. PROCESSING LEVELS ON A FOOTAGE BASIS WERE AS FOLLOWS:

HEAD	0000 - 0940	FULL DEVELOPMENT
	0941 - 1041	INTERMEDIATE DEVELOPMENT
	1042 - 1101	FULL DEVELOPMENT
	1102 - 1125	PRIMARY DEVELOPMENT
	1126 - 1176	INTERMEDIATE DEVELOPMENT
	1177 - 1274	FULL DEVELOPMENT
	1275 - 1352	INTERMEDIATE DEVELOPMENT
	1353 - 1585	PRIMARY DEVELOPMENT
	1586 - 1604	INTERMEDIATE DEVELOPMENT
	1605 - 2122	FULL DEVELOPMENT

5. A GOOD CORRELATION OF INS DATA TO THE FILM WAS OBTAINED. THE INS TAPE RECORDED A PLUS ONE DEGREE BIAS IN LATITUDE THROUGHOUT AND THE IMAGED CLOCK CONTAINS A PLUS TWO SECOND BIAS.

6. THE ELAPSED TIME OF EVENTS AFTER VEHICLE LANDING IS AS FOLLOWS:

	HR-MIN
INS TRANSMISSION RECEIVED	2 10
D-VALUE CABLE RECEIVED	19 01
MATERIAL ARRIVED AT []	22 00
UNTITLED DP'S ARRIVED AT NPIC	34 50
FINAL FRAME EPHENERIS COMPLETED	34 20
INITIAL READOUT COMPLETED	38 50

7. MOST OF THE MISSION WAS FLOWN IN PROGRAMMED V/H. THE FOLLOWING ARE EXAMPLES SHOWING THE ERROR IN THE V/H.

FRAME	PERCENT CC	V/H	INS	A PLUS B	PERCENT ERROR
	0 DEGREE SCAN	INDICATOR	V/H	OVERLAP	V/H
199/201	40	ON	.0404	3.14	-1.09
295/297	65	ON	.0405	3.12	-1.71

8. CLOUDS COVERED APPROXIMATELY 70 PERCENT OF THE MISSION (304 FRAMES). AN ADDITIONAL 199 FRAMES WERE EDITED BECAUSE OF TOTAL CLOUD COVER. A GREAT DEAL OF GROUND HAZE WAS ALSO PRESENT IN THE PHOTOGRAPHY.

9. THERE WAS APPROXIMATELY 800 FEET OF PREFLIGHT CONTAINING DATA BLOCKS FOR MISSIONS BX6713, BX6716, BX6717, AND BX6718. THERE WAS ALSO APPROXIMATELY 50 FEET OF POSTFLIGHT FILM.

S E C R E T

-- END OF MESSAGE --

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